

LIST OF PRIOR ART CITED BY APPLICANT

**2ND SUPPLEMENTAL
PRIOR ART**APPLICANT
Croft III et alFILING DATE
1-22-02GROUP
2644

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>LLB</i>	AA	3,873,784	Mar. 25, 1975	Doschek			
	AB						
	AC						
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SUPPLEMENTAL PRIOR ART

Croft III et al

FILING DATE
1-22-02

GROUP
2644

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>not</i>	AA	5,684,884	Nov. 4, 1997	Nakaya, et al.			
	AB	5,953,438	Sept. 14, 1999	Stevenson, et al.			
	AC	6,104,825	Aug. 15, 2000	Thigpen			
<i>not</i>	AD	6,137,891	Oct. 24, 2000	Porrizzo, et al.			
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Sheet 5 of 5

PTO 1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. T9573.NP	SERIAL NO. 10/055,821	RECEIVED MAY 20 2002	
LIST OF PRIOR ART CITED BY APPLICANT				APPLICANT Croft III et al		GROUP Technology Center 2600	
				FILING DATE 1-22-02			
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>20H</i>	EA	5,430,805	7/4/95	Stevenson et al			
	EB	5,487,114	1/23/96	Dinh			
	EC	5,638,456	6/10/97	Conley et al			
	ED	5,700,359	12/23/97	Bauer			
<i>20H</i>	EE	5,850,461	12/15/98	Zelinka			
	EF	5,901,235	5/4/99	Thigpen et al			
	EG	5,961,762	10/5/99	Zelinka et al			
<i>20H</i>	EH	6,188,772	2/13/01	Norris et al			
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EXAMINER <i>20H</i>					DATE CONSIDERED <i>12/27/04</i>		



PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. T9573.NP	SERIAL NO. 10/055,821	RECEIVED MAY 2 0 2002 Technology Center 2600
	APPLICANT Croft III et al		
	FILING DATE 1-22-02	GROUP	

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	DA	4,695,986	9/22/87	Hossack			
	DB	4,751,419	6/14/88	Takahata			
	DC	4,803,733	2/7/89	Carver et al			
	DD	4,823,908	4/25/89	Tanaka et al			
	DE	4,837,838	6/6/89	Thigpen et al			
	DF	4,885,781	12/5/89	Seidel			
	DG	4,887,246	12/12/89	Hossack et al			
	DH	4,888,086	12/19/89	Hossack et al			
	DI	4,903,703	2/27/90	Igarashi et al			
	DJ	4,908,805	3/13/90	Sprenkels et al			
	DK	4,991,148	2/5/91	Gilchrist			
	DL	5,021,613	6/4/91	Garcia			
	DM	5,054,081	10/1/91	West			
	DN	5,142,511	8/25/92	Kanai et al			
	DO	5,153,859	10/6/92	Chatigny et al			
	DP	5,287,331	2/15/94	Shindel et al			
	DQ	5,357,578	10/18/94	Taniishi			
<i>[Signature]</i>	DR	5,392,358	2/21/95	Driver			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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EXAMINER <i>[Signature]</i>	DATE CONSIDERED 12/27/04
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PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. T9573.NP	SERIAL NO. 10/055,821	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED MAY 20 2002 </div>	
LIST OF PRIOR ART CITED BY APPLICANT				APPLICANT Croft III et al		MAY 20 2002	
				FILING DATE 1-22-02	GROUP Technology Center 2600		

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
X OH	CA	4,245,136	1/13/81	Krauel, Jr.			
	CB	4,284,921	8/18/81	Lemonon et al			
	CC	4,289,936	9/15/81	Civitello			
	CD	4,295,214	10/13/81	Thompson			
	CE	4,378,596	3/29/83	Clark			
	CF	4,385,210	5/24/83	Marquiss			
	CG	4,418,404	11/29/83	Gordon et al			
	CH	4,419,545	12/6/83	Kuindersma			
	CI	4,429,193	1/31/84	Busch-Vishniac et al			
	CJ	4,434,327	2/28/84	Busch-Vishniac et al			
	CK	4,439,642	3/27/84	Reynard			
	CL	4,471,172	9/11/84	Winey			
	CM	4,480,155	10/30/84	Winey			
	CN	4,550,228	10/29/85	Walker et al			
	CO	4,558,184	12/10/85	Busch-Vishniac et al			
	CP	4,593,160	6/3/86	Nakamura			
	CQ	4,593,567	6/10/86	Isselstein et al			
	CR	4,672,591	6/9/87	Breimesser et al			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
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PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. T9573.NP	SERIAL NO. 10/055,821
	APPLICANT Croft III et al	
	FILING DATE 1-22-02	GROUP

LIST OF PRIOR ART CITED BY APPLICANT

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Technology Center 2600

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
OH	AA	1,764,008	6/17/30	Crozier				
	AB	1,799,053	3/31/31	Mache				
	AC	1,809,754	6/9/31	Steedle				
	AD	1,951,669	3/20/34	Ramsey				
	AE	1,983,377	12/4/34	Kellogg				
	AF	2,461,344	2/8/49	Olson				
	AG	2,855,467	10/7/58	Curry				
	AH	2,935,575	5/3/60	Bobb				
	AI	2,975,243	3/14/61	Katella				
	AJ	2,975,307	1/2/58	Schroeder et al				
	AK	3,008,013	11/7/61	Williamson et al				
	AL	3,012,222	12/5/61	Hagemann				
	AM	3,136,867	6/9/64	Brettell				
	AN	3,141,071	7/14/64	Rich, S.R.				
	AO	3,345,469	10/3/67	Rod				
	AP	3,389,226	6/18/68	Peabody				
	OH	AQ	3,398,810	8/27/68	Clark III			
		AR	3,654,403	4/4/72	Bobb, deceased			

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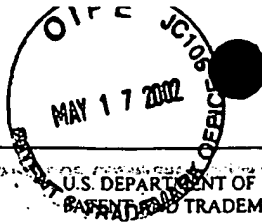
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OH	AS	H2-265400	10/30/90	Japan				
	AT	WO 01/08449	2/1/01	EP				
	AU	WO 01/52437	7/19/01	PCT				
	AV	WO 00/41492	7/20/00	PCT				
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OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

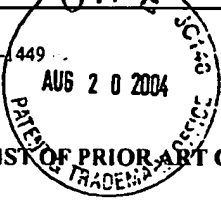
OH	AX	ULTRASONIC RANGING SYSTEM by Polaroid Corporation
	AY	PARAMETRIC LOUDSPEAKER - CHARACTERISTICS OF ACOUSTIC FIELD AND SUITABLE MODULATION OF CARRIER ULTRASOUND, Aoki, Kenichi, Kamakura, Tomoo and Kumamoto, Yoshiro, Electronics and Communications in Japan, Part 3, Vol. 74, No. 9, pp. 76-82 (1991)
	AZ	PARAMETRIC ACOUSTIC NONDIRECTIONAL RADIATOR, Makarov, et al, Acustica, Vol. 77, pp. 240-242 (1992)

EXAMINER <i>Deanne Harvey</i>	DATE CONSIDERED 12-27-01
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PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. T9573.NP		SERIAL NO. 10/055,821	
LIST OF PRIOR ART CITED BY APPLICANT				APPLICANT Croft III et al		RECEIVED MAY 20 2002	
				FILING DATE 1-22-02			
U.S. PATENT DOCUMENTS Technology Center 2600							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
OH	BA	3,674,946	7/4/72	Winey			
	BB	3,787,642	1/22/74	Young Jr.			
	BC	3,821,490	6/28/74	Bobb			
	BD	3,829,623	8/13/74	Willis et al			
	BE	3,833,771	9/3/74	Collinson			
	BF	3,836,951	9/17/74	Geren et al			
	BG	3,892,927	7/1/75	Lindenberg			
	BH	3,919,499	11/11/75	Winey			
	BI	3,941,946	3/2/76	Kawakami et al			
	BJ	3,997,739	12/14/76	Kishikawa et al			
	BK	3,922,504	11/25/75	Kishikawa et al			
	BL	4,056,742	11/1/77	Tibbetts			
	BM	4,064,375	12/20/77	Russell et al			
	BN	4,156,801	5/29/79	Whelan et al			
	BO	4,160,882	7/10/79	Driver			
	BP	4,207,571	6/10/80	Passey			
	BQ	4,210,786	7/1/80	Winey			
	BR	4,242,541	12/30/80	Ando			
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	BS						
	BT						
	BU						
	BV						
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OH	BX	THE AUDIO SPOTLIGHT: AN APPLICATION OF NONLINEAR INTERACTION OF SOUND WAVES TO A NEW TYPE OF LOUDSPEAKER DESIGN, Yoneyama, et al, J. Acoustical Society of America 73(5), May 1983, pages 1532-1536					
	BY	ELECTROSTATIC LOUDSPEAKER DESIGN AND CONSTRUCTION, Chapters 4 and 5, pages 59-91, Wagner, Ronald, Audio Amateur Press Publishers, 1993					
	BZ						
EXAMINER <i>Deane Harvey</i>					DATE CONSIDERED 12/27/04		
<small>*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance And not considered. Include copy of this form with next communication to Applicant.</small>							

 <p>PTO 449</p> <p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>LIST OF PRIOR ART CITED BY APPLICANT</p>	ATTY. DOCKET NO. T9573.NP	SERIAL NO. 10/055,821
	APPLICANT Croft III, et al.	
	FILING DATE Jan. 22, 2004	GROUP 2644

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>2014</i>	A1	3,674,946	07/04/72	Winey			
	A2	3,919,499	11/11/75	Winey			
	A3	4,228,327	10/14/80	Sawafuji			
	A4	4,491,698	01/01/85	Larson			
	A5	4,544,806	10/01/85	Nieuwendijk			
	A6	4,703,510	10/27/87	Larson			
	A7	4,837,838	06/06/89	Thigpen			
<i>2014</i>	A8	4,924,504	05/08/90	Burton			
	A9						
	A10						
	A11						
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